

EVGENIEV, Georgi; KRUMOV, Angel

Improvement of the organization of byworks, an important
reserve for the increase of labor productivity. Trud tseni 4
no.8:27-35 '62.

KRUMOV, B.

KRUMOV, B. Practical medical aid. p.37.

Vol. 11, no. 7, July 1956

KOOPERATIVNO ZEMEDELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

KRUMOV, B.

KRUMOV, B. Favorite place. p.33.

Vol. 11, no. 9, Sept. 1956

KOOPERATIVNO ZEMELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

KRUMOV, B.

KRUMOV, B. New vineyards. p.33.

Vol. 11, no. 10, Oct. 1956

KOOPERATIVNO ZEMEDLIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

KRUMOV, L.

"Malta Vasileva; A Biographic Sketch."

p. 13 (Koopерativno Zemedelie, No. 7, July 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EFAI) LC, Vol. 7, No. 11,
Nov. 1958

KRUMOV, B.

AGRICULTURE

Periodical KOOPERATIVNO ZEMEDELIE. No: 9, Sept. 1958.

KRUMOV, B. Ianko Georgiev the combine driver. p. 30.

Monthly List of East European Accessions (KEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

KENYATTA, B.

AGRICULTURE

Periodical KOOPERATIVA ZEMEDLIE. No. 11, Nov. 1958.

KENYATTA, B. For the dining table fresh fish from the cooperative. p. 31.

Monthly List of East European Accessions (EEA) LC, Vol. 8, no. 3, March, 1956. Uncl.

STOEV, St., inzh.; ARABADZHIEVA, Sl., inzh.; KRUMOV, Dim. _____

Use of electric conductivity for the control of some coefficients
of the ore-dressing process. Min delo 17 no.8:19-22 Ag '62.

1. Minno-geologhki institut.

KRUMOV, G.

Organizing the Production According to the Time Schedule and its Reflection
Upon the Operation of the Enterprise. In the Bulgarian Heavy Industry,
3:14:Mar 55

KRUNOV, G.; RADEV, S.

ORGANIZATION OF PRODUCTION BY OPERATING ON AN HOURLY SCHEDULE AND ITS REFLECTION
IN THE WORK OF ENTERPRISES. P. 14.
(TEZHKA PROMISHLENOST. Vol. 4, No. 3, 1955)

KRUMOV, G.; RADEV, S.

KRUMOV, G.; RADEV, S. Problems in planning the production cost in machine-construction enterprises. P. 8.

Vol. 5, no. 10, 1956
TEZHKA PROMISHLENOST
TECHNOLOGY
Sofia, Bulgaria

So: East European Accession, Vol. 6, no. 3, Mar. 1957

KRUMOV, G.

Mastering the skill of flying. Aviat's kosmonavt 6 no. 7:11 '64.

1. Secretary, Aeroclub of Burgas, Burgas.

KRUMOV, Georgi, kand. na ikonomicheskite nauki

Planning in industry and supplementary personal interest.
Trud tseni 5 no.5:55-64 '63.

1. Chlen na Redaktsionnata kolegiia, "Trud i tseni".

KRUPOV, I.

MA-54 sprayer. p. 21.
(MASHINIZIRAN ZEMEDELIE Vol. 6, No. 5, May 1955.)

SO: Monthly list of East European Accession, (REAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

1957, 1.

Work of plant protection bases during winter. p. 3.

Organizing new machine-tractor stations and plant protection bases. p. 4.

MASHINIZIRANO ZEMSELIE VOL. 7, No. 1, Jan. 1956

Sofiya, Bulgaria

30. EAST EUROPEAN ACCESSIONS LIST VOL. 5, no. 7, July 1956

1. 1. 1.

Preparing and using the plant-spraying machines.

I. 13. (Ishiniriruno Zemedejie) Vol. 8, no. 3 Mar. 1957, Sofia, Bulgaria

SC: Monthly Index of East European Acquisitions (MEAI) Vol. 1, No. 11 November 1957

KRUMOV, I.

"Viticulture in the Novi Pazar Okoliya."

p. 14 (Kooperativno Zemedelie, No. 7, July 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

KRUMOV, K.

Sterilizing Cans through Electricity. Leka Promishlenost (Light Industry),
#12:33:Dec. 1954

KRUMOV, N.

The cavern olms. Prir i znanie 15 no.2:12-13 F '62.

KRUMOV, N.

Electric fishes. Prir i znanie 15 no.4:16-20 Ap '62.

KRUMOV, N.

Live barometers. Nauka i tekhnolozhiya no.10: 10-12 0'63.

KRUMP, J., VESELY, A.

Unified system of cutting and a larger variety of clothing fabrics.

Tr. from the Czech. p. 235

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Lodz

Vol. 6, no. 11, Nov. 1955

Source: East European Accessions List (EEAL), LC, Vol. 5, no. 11, March 1956

L 20224-66 FCC

ACC IR: AP6010307

SOURCE CODE: CZ/0042/65/000/007/0392/0401

AUTHOR: Krump, Josef (Engineer); Losny, Vilém (Engineer)

ORG: Institute of Electrical Engineering, CSAV, Prague (Ústav pro elektrotechniku CSAV)

TITLE: Investigation of the sparkover voltage of the spark gaps of modern lightning arresters during atmospheric and internal surges

SOURCE: Elektrotechnický časopis, no. 7, 1965, 392-401

TOPIC TAGS: lightning arresters, spark gap, electric insulation

ABSTRACT: The article deals with experimental investigation of the sparkover voltage of modern spark gaps for tube-type lightning arresters and explains the large scattering which sometimes occurs. The results of the tests represent data for appropriate insulation coordination in high and extra-high voltage equipment not previously available. This paper was presented by R. Gort. Orig. art. has: 10 figures and 1 table. [JPRS]

SUB CODE: 09 / SUBM DATE: 25Feb65 / ORIG REF: 003 / OTH REF: 005

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Card 1/1 7/73

PHASE I BOOK EXPLOITATION

Z/6284

Jerle, Jan, ed., Engineer, Doctor, Corresponding Member of the Czechoslovak Academy of Sciences

Základní problémy ve stavbě spalovacích turbin (Basic Problems in the Construction of Gas Turbines [collection of articles]). Prague, Nakl. ČAV, 1962. 627 p. 1600 copies printed.

Sponsoring Agency: Československá akademie věd.

Ed. of Publishing House: Marie Moravcová; Tech. Ed.: František Končický.

PURPOSE: The book is intended to familiarize turbine designers with recent developments in the design of gas turbines and to present some research results which may be helpful in designing more efficient turbines.

COVERAGE: The book comprises articles by leading Czechoslovak turbine experts on thermodynamic cycles, flow research in turbine components,

burning of fuel in combustion chambers, axial compressors, and characteristics of turbines manufactured in Czechoslovakia.

Basic Problems in the Construction (Cont.)

z/6284

J. Voseďálek (State Research Institute for Materials and Technology, Prague). Requirements for Construction Materials of the Principal Turbine Components

183

L. Čížek and M. Vystyd (State Research Institute for Materials and Technology, Prague). Current State and Development of Heat-Resistant Materials for Gas Turbines

199

L. Čížek. Prospective Materials for Use in Gas Turbine Construction

211

Z. Dminger (V. I. Lenin Plant, Plzeň) and J. Krumpal (State Research Institute for Materials and Technology, Prague). The Austenitic Alloy "LZ"

221

M. Vystyd, J. Ježek, and H. Tuma (State Research Institute for Materials and Technology, Prague). The Relationship between the Microstructure and the Properties of Some Heat-Resistant Steels and Alloys

233

Card #78-2/11

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720014-1

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826720014-1"

KRUMPHANZEL, Vladimir; DYR, Josef; SIMONOVA, Marie

Effect of some organic substances on the dispersion of oxygen in a liquid medium. Kvasny prum 10 no. 3: 54-58 Mr '64.

1. Higher School of Chemical Technology, Department of Fermentation Chemistry, Prague.

KRUMPHANZL, Jaroslav, inz.; STEPANEK, Jiri

Electromagnetic flowmeters. Papir a celulosa 19 no.12:325-329
D '64.

1. Research Institute of Paper and Cellulose, Worksite, Prague.

STEPANEX, J.; SAVRDA, K.; KRUMPHANZL, K.; ZAZVORKA, M., inz.

System of continous control and analysis of the basis
weight of paper and paperboard. Sbor cel pap no.7: 269-
286 '62.

STEPANEK, Jiri; KRUMPHANZL, Karel

Noncontact measurement of the surface temperature of drying cylinders. Sbor col pap 8:231-253 '63.

7 7
2 May
✓ Paper chromatography of aliphatic xanthates. Josef
Dzi, Vladimír Krumphanzl, and Vladislav Šicho (Vysoká
škola chem. technol., Prague). *Sborník vysoké školy chem.-
technol. v Praze; Oddíl potravinářské technol.* 1957, 19-20.
Paper chromatography of Me, Et, Pr, iso-Pr, Bu, iso-Bu,
Am, and iso-Am xanthate was carried out by using BuOH
contg. 2% solid KOH, or 10% KOH and BuOH 1:1, on
Whatman No. 1 paper, either plain or impregnated with
0.1N NaOH and dried at 60°. The R_f values increase with
increasing no. of C atoms in the chain of the xanthates.
Normal and iso-als. have the R_f values very close so that
their sepn. is impossible. M. Hudlický

BS
1/1

KRUMPHANZ, V.

7
/ Determination of free amino acids in industrial and refined lactic acids. J. Dyr and V. Krumphanz (Vysoká škola chem. tech., Prague). *Koňský průmysl* 5, 100-02 (1955).

Descending paper chromatography was applied for amino acids differentiation. BuOH:AcOH:H₂O (4:1:5) was used as the solvent and Whatman paper no. 1 proved best for the test. The detection was made by spraying 0.1% ninhydrin soln. in acetone; developing time was 10 min. at 100°. Regarding the high viscosity of analyzed samples, the capillary action can be improved by dilg. the samples with distd. H₂O in the proportion 1:5. The following amino acids were detected: (1) In industrial lactic acids: aspartic acid, glycine, glutamic acid, alanine, tyrosine, γ -aminobutyric acid, valine, phenylalanine, and leucine; 3 spots on the chromatograms were not identified. They can be probably attributed to lysine, threonine, and a substance which remained yellow after detection. (2) In edible lactic acid: glycine, glutamic acid, alanine, γ -aminobutyric acid, leucine, and aspartic acid. Some spots were not identified. Proportion of individual amino acids present in edible lactic acid extd. by Et₂O and EtOAc appears in all chromatograms, except aspartic acid, which is nearly the same. In all samples the greatest amts. found were glutamic acid and alanine. Other amino acids are present only in traces. In edible lactic acid manufd. by recrystn. neither glycine nor leucine was detected. The spot intensity showed a greater percentage of alanine than in lactic acid refined by extrn. process in which org. solvents are used. J. Hlava

2929 (43)

TA
4

KRUMPHANZL, Vladimir; DYR, Josef, prof. inz. dr.; KOBR, Vladimir

Effect of the pH value in lactic fermentation on the total yield of lactic acid. Kvasny prum 10 no.5:98-102 My '64.

1. Higher School of Chemical Technology, Prague.

KRUMPHANZL, Vladimír; KLEJNOVA, Jarmila

Determining some properties of the DKP preparation used for
biologic stabilization of beverages. Prum potravin 15 no.4:
197-200 Ap '64.

1. Higher School of Chemical Technology, Prague.

KRUMPHANZL, Vaclav, inz., dr.

Electromagnetic determination of the position of underground cables and pipelines. Geod kart obzor 2 no.3:43-45 Mr '56.

1. Vyzkumny ustav geodeticky, topograficky a kartograficky, Praha.

KRUPA, VACLAV.

Inženýrská geodesie. [Vyd. 1.]

Praha, Czechoslovakia. Statní nakl. technické literatury, 1959. 328 p.

Monthly List of East European Accessions (MEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

COUNTRY : Czechoslovakia H-2
CATEGORY :
ABS. JOUR. : RZKhim., No. 21 1959, No. 75159
AUTHOR : Dyr, J. and Krumphanzl, V.
INST. : Not given
TITLE : A Continuous Rotary Extractor
ORIG. PUB. : Kvasny Prumysl, 5, No 3, 65-67 (1959)
ABSTRACT : A laboratory 'Vodan' counter-current rotary ex-
tractor designed for liquid-liquid extraction at
rotor speeds of up to 500 rpm and for small dif-
ferences in the specific gravities of the liquids
in described.
V. Gertsovski

CARD: 1/1

154

KRUMPHANZL, Vaclav, prof., dr., inz.

Papers of the graduates of survey engineering school.
Geod kart obzor 8 no.10:198-199 0 '62.

STANEK, Vaclav, inz., dr.; KRUMPHANZL, Vaclav, prof., inz. dr.

Examination of periodic short-lasting movements of concrete gravity dams. Geod kart sbor 9:77-90 '63.

1. IPS, Praha (for Stanek), 2. Ceske vysoke uceni technicke, Praha (for Krumphanzl).

KRUMPHANZL, Vaclav, prof. inz. dr.

"Technical instruction on route survey." Reviewed by
Krumphanzl. Geod kart obozr 10 no. 3: Supplement:
Literarni hlidka 10 no. 3: III, 3 of cover '64.

KRUMPHANZL, V., prof. inz. dr.; KOLLAR, K., inz.; KRIZEK, J., inz.;
SCHANKA, J., inz.; STANEK, V., inz. dr.; SIMEK, J., inz.; SLEGR, A.,
inz.

Surveyor's role in capital constructions. Geod kart obzor 10
no.9/10:235-239 0 '64

KRUMPHANZL, Vladimir; KLEJNOVA, Jarmila

Determination of some properties of diethyl ester of
pyrocarbonic acid, used for ensuring the biological
stability of beverages. Prum potravin 14 no. 12:662-664
D '63.

1. Vysoka skola chemickotechnologiccka, Praha.

KRUMPHANZL, Vladimir; DYR, Josef; RUSINSKY, Norbert

Inflow method of lactic fermentation. Prum potravin 14 no.10:
555-558 0 '63.

1. Vysoka skola chemickotechnologicka, katedra kvasne chemie a
technologie, Praha.

DYR, Josef; KRUMPHANZL, Vladimir; HAUZAR, Iska

Continuous alcoholic fermentation with uninterrupted fermentation of the system by returned fermenting mash. Sbor potrav VSChT Vol. 5, pt.2:37-57 '61 [publ. '62].

1. Katedra kvasne chemie a technologie, Vysoka skola chemicko-technologicka, Praha.

BENES, Vladimir; KRUMPHANZL, Vladimir

Stabilization of wine with metatartaric acid and its preparation. Kvasny prum 10 no.11:258-261 N '64.

1. Research Worksite of the Vinarske zavody, Prague (for Benes). 2. Higher School of Chemical Technology, Prague (for Krumphanzl).

17 - (14) 1 - 7 A 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 104

Calibration standards of β -carotene. J. Blatná, J. Krupňančlová, and V. Šinda (Výzk. ústav potr. technol., Prague, Czech.). *Průmysl Potravin* 5, 155-8 (1954).
Of the different colored compounds tested, only analytically pure α -carotene and β -carotene can be used as substitute standards for the estimation of β -carotene in food material. No conversion factor is needed when working with Bunkoff's photometer (filter S 47). L. J. Urbánek

Chromatography of lipophilic vitamins. J. Blatný, J. Krumphanzlová, and O. Vonduláková (Výzk. ústav potravinářské technol., Prague, Czech). *Průmysl Potravin* 5, 891-8(1964).—Reviews on methods with 39 references.
L. J. Urbánek

KRUMPHANZLOVA, J.; BLATTNA, J.; FRATNER, J.

Vitamins in fresh milk. p. 426.

PRUMYSL POTRAVIN. Praha. Vol. 6, no. 9, 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

KRUMPHANZLOVA, J.

CZECHOSLOVAKIA/Food Processing Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65935
Author : Blatna, J., Frajner, J., Krumphanzlova, J.
Inst : -
Title : Vitamins in the Technology of Eggs.
Orig Pub : Prumysl potraviny, 1957, 8, No 6, 287-289.

Abstract : A study has been made of the influence of the various methods of egg storage on their content of vitamins, in particular of riboflavin, axerophthol, and their pro-vitamins. It was established that no essential difference exists between the separate methods of storage, according to these indices. The liming of eggs was shown to be the best method of storage; during long cold storage, losses of axerophthol increased as a result of oxidation by the oxygen of the air, which penetrates through the pores of the shell. Freezing the eggs reduces these

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CZECHOSLOVAKIA/Food Processing Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65935

losses. Greatest losses of riboflavin occur when eggs fracture during daily light and free access of atmospheric oxygen.

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KRUMHOLZ, HAYLIG

Model statutes of collective farms.

p. 37 (Rolnicke Hlasy. Vol.11, No. 9, Sept. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EFAI) LC. Vol. 7, No. 2,
February 1958

KRUMHOLC, HAVLIC

Model statutes for collective farms.

P. 36, (Rolnicke Hlasy) Vol. 30, no. 4, Aug. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (E:AI) Vol. 6, No. 11 November 1957

HOLECEK, Milan; KRUMPHOLC, Stanislav

Electroerosion recording apparatus. Uhl 4 no.8:284 Ag '62.

KRUMPHOLEC, F.

The basis of garden plot farming.

P. 37, (Rolnicke Hlasy) Vol. 11, no. 7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

L 38595-66 EWP(e)/EWP(t)/ETI IJP(c) JD/JG/AT/WH

ACC NR: AP6027707

SOURCE CODE: CZ/0034/66/000/001/0070/0070

AUTHOR: Jezek, J. (Doctor of natural sciences; Candidate of sciences); Kastanek, O. (Engineer); Krumpolz, V.

ORG: none

TITLE: Cutting steels, mainly for cast tools

SOURCE: Hutnicka listy, no. 1, 1966, 70

TOPIC TAGS: tool steel, metal cutting, grain structure

ABSTRACT: The article is an abstract of Czechoslovak Patent Application No Class 40b, 15/00, PV 2807-65, dated 29 April 65. The invention covers a method by which the network of eutectic carbides is disrupted by the addition of 0.2 to 10 weight % of Ti, Zr, Nb, or Ta, or a mixture of any of these. In this steel vanadium is either completely or in part replaced by metals of the 4th and 5th group; this fosters the formation of primary carbides. This increases the suitability of the steels for cutting, and a fine grain structure is maintained in the final product. [JPRS: 34,519]

SUB CODE: 11, 13 / SUBM DATE: 29Apr65

Card 1/1 *fv*

0917

KRUMPOLC, Vojtech

Effect of the production technology on the precision of
castings. Zpravodaj VZLU no.2:91-93 '63.

5086* Melting and the Effect of Melting and Casting Conditions on the Mechanical Values of Tin Bronzes. Tavení a sli-
taviho a liciho prostředí na mechanické hodnoty cínových
bronzo. (Czech.) Josef Krumpal. Světloměr, v. 3, no. 12,
Dec. 1953, p. 378-380. 1/10

Melting and decantation of tin bronze and red brass; casting
of test specimens; mechanical properties. Tables, graphs, dia-
grams, micrograph. 7 ref.

KRUMPOS, J.; EMINGER, Z.

"Production technology of high-alloy austenitic steels." p. 184.

SLEVARENSTVI. (Ministerstvo tezkého strojírenství a Československá vědecká technická společnost pro hutnictví a slevarenství). Praha, Czechoslovakia, Vol. 7, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Unclass.

L 22507-66 ENP(w)/EPA(d)/T/ESP(t) LJP(c) JL
ACC NR: AT6010483 (N) SOURCE CODE: CZ/0000/65/000/000/0144/0156

AUTHOR: Krumpos, Josef--Krumpos, Y. (Candidate of sciences, Engineer)

ORG: none

TITLE: Properties of alloys VZU 60 and VZU 20 K /

SOURCE: Plzen. Zavody V. I. Lenina. Vyskumny a zkusebni ustav.
Sbornik praci, v. 2, 1965, 144-156

TOPIC TAGS: heat resistant alloy, metal physical property, internal combustion turbine, turbine metal, turbine blade, blade metal, guide vane, nickel base alloy, chromium base alloy, iron base alloy, cobalt base alloy / VZU 60 HEAT RESISTANT ALLOY, VZU 20K HEAT RESISTANT ALLOY

ABSTRACT: VZU 60 and VZU 20K heat-resistant casting alloys are intended for the critical parts of internal-combustion turbines, such as impeller blades and guide vanes. VZU 60 alloy, which has a nickel-chromium-iron bases, is precipitation-hardened with aluminum and titanium, and alloyed with tungsten and molybdenum; VZU 20K alloy has a nickel-chromium-iron-cobalt base, hardened with carbide phases and stabilized with niobium. The paper discusses the heat treatment of both alloys, their mechanical and physical properties, yield point as well as embrittlement and behavior at temperatures exceeding the intended maximum by 100C. The values found during thermal overloading of the material are of high importance for the reliable operation of internal-
Card 1/2

L 22507-66

ACC NR: AT6010483

combustion turbines, especially on turbine-driven locomotives. Test results indicate that VZU 60 and VZU 20K alloys are casting materials best suited for impeller and guide blades operated at 700C (VZU 60) and 800C (VZU 20K). Moreover, VZU 60 alloy will serve as a heat-resistant material up to 1000C. In welding, VZU 60 can be used to advantage as a filler metal, such as for joining austenitic with ferritic materials. VZU 20K material is not to be used at temperatures higher than 800C since prolonged operation above this limit produces marked coarsening of the precipitate and its gradual dissolution, causing first embrittlement and then a severe decline in long-term creep strength. Orig. art. has: 8 figures and 4 tables. [AM]

SUB CODE: 11, 13/

SUBM DATE: 00Jun65/
OTH REF: 005/

ORIG REF: 004/

Card 2/2

BK

U.S.S.R. : Czechoslovakia
 A. 1960

U.S.S.R. : RZKhiz, No. 4, 1960, No.

U.S.S.R. : Yakovlev, A.

U.S.S.R. : on given
 U.S.S.R. : Principles and Construction of Apparatus
 U.S.S.R. : for the Electroplating of Metallic Sections

U.S.S.R. : Technical Univ. No. 10, 1960, No. 10

ABSTRACT : The factors affecting the quality of metallographic sections prepared by electroplating (initial condition of surface, current density, cell voltage, temperature of electrolyte, porosity time, concentration of electrolyte) are discussed. An investigation of the effect of the voltage variable has shown that the optimal shape of the voltage curve that at which the ratio $100 \Delta E / E$ is 55-60% (ΔE is the difference between the maximum and minimum values of E in the cell voltage), and that

Source : Czechoslovakia
CATEGORY :
APR. JOUR. : RZKhim., No. 5, 1960, No.

H-12

18545

ABSTRACT :
1
2
3

ORIG. SUB. :

ABSTRACT :

The article describes the results of the investigation of the
chemical structure of the polymer obtained from the reaction of
the monomer with the catalyst. The results of the investigation
show that the polymer obtained is a linear polymer with a
molecular weight of 10,000-15,000. The polymer is soluble in
chloroform, carbon tetrachloride, and nitrobenzene. The
polymer is stable to heat and light.

KRUMPOS, J.

PHASE I BOOK EXPLOITATION

JUN 25 1962

Jerie, Jan, ed., Engineer, Doctor, Corresponding Member of the Czechoslovak Academy of Sciences

Základní problémy ve stavbě spalovacích turbin (Basic Problems in the Construction of Gas Turbines (collection of articles)). Prague, Nakl. ČAV, 1962. 627 p. 1600 copies printed.

Sponsoring Agency: Československá akademie věd.

Ed. of Publishing House: Marie Moravcová; Tech. Ed.: František Končícký.

PURPOSE: The book is intended to familiarize turbine designers with recent developments in the design of gas turbines and to present some research results which may be helpful in designing more efficient turbines.

COVERAGE: The book comprises articles by leading Czechoslovak turbine experts on thermodynamic cycles, flow research in turbine components,

Card 1/8

Basic Problems in the Construction (Cont.)	z/6284
J. Voseďálek (State Research Institute for Materials and Technology, Prague). Requirements for Construction Materials of the Principal Turbine Components	183
L. Čížek and M. Vystyd (State Research Institute for Materials and Technology, Prague). Current State and Development of Heat-Resistant Materials for Gas Turbines	199
L. Čížek. Prospective Materials for Use in Gas Turbine Construction	211
Z. Eminger (V. I. Lenin Plant, Píseň) and J. Krumpal (State Research Institute for Materials and Technology, Prague). The Austenitic Alloy "IZ"	221
M. Vystyd, J. Ješek, and H. Tuma (State Research Institute for Materials and Technology, Prague). The Relationship between the Microstructure and the Properties of Some Heat-Resistant Steels and Alloys	233

Card 4/8

KRUMPYANZI

CZECHOSLOVAKIA/Chemical Technology - Fermentation in Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 55456

Author : Dyr, Krumpyanzi, Barta

Inst : -

Title : The Possibility of Increasing the Yields of Alcohol
in Wine Distilleries

Orig Pub : Kjasny prumysl, 1956, 2, No 1, 6-10

Abstract : Plant experiments were carried out for increasing the yield of alcohol from molasses by converting non-fermenting sugar (melibiose) into a fermentable one. That was done by the addition of autolysate prepared from beer yeast containing 25% of dry substances, beer yeast in vivo, and a plasmolysate of sediment beer yeast, which contain 14% of dry substances. To convert non-fermenting sugar of molasses into a fermenting one, it is necessary only to add from 20 to 35 liters of autolysate, or 50-60 l. of plasmolysate per 500 hectoliters of

Card 1/2

. CZECHOSLOVAKIA/Chemical Technology - Fermentation in Industry. H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 55456

wort. The amount of fermenting preparation that was added depends on the quality of yeast and the preparation as well as the content of the raffinose in the molasses. The advisable preparation to be added: in working the process by the Jacquemon method, prior to or at the aftermath in the fermenting tanks, and by the Buano method when the alcohol content in wort is 5%. An addition of the preparation lowers the amount of residual sugar by 0.10 - 0.15%, and does not effect the alcohol quality. With the addition of preparation from 1,000 centners of molasses containing 0.93% of raffinose, 371 liters more of absolute alcohol is obtained as compared to the processing of molasses by the usual method (practically 255 liters).
For previous communication see: Ref. Zhur. Khim., 1958, 34131.

Card 2/2

15

KRUMS, A. A.

"Data on the serum therapy of influenza," by F. G. Epshteyn, A. S. Levinson, Z. A. Semashko, A. G. Chetverikov, M. M. Vital, M. A. Belavintseva, K. G. Karatayeva, N. N. Malkova, R. Ye. Gel'shteyn, Ye. G. Korabishcher, A. A. Krums, K. I. Matveyeva

Voprosy Meditsinskoy Virusologii, Moscow, No. 2, 1949, pp. 278-287

KRUNCHAK, G. B.

37173. Metody perekhoda ot proektsii s chislo vymi otmetkami k prostranstvennym. Izobrazheniyam. Zapiski. Leningr. Gornogo in-ta, t. XXIII, 1949, s. 167-93

SO; Letopis' Zhurnal'nykh Statey, Vol 7, 1949

PETROPAVLOVSKIY, G.A.; KRUNCHAK, M.M.; VASIL'YEVA, G.G.

Low-substituted nitrates of wood celluloses. Zhur. prikl. khim.
36 no.8:1799-1808 Ag '63. (MIRA 16:11)

PETROFAVLOVSKIY, G.A.; VASIL'YEVA, G.G.; KRUNCHAK, M.M.; NIKITIN, N.I.

Properties of films of low-substituted nitrates of wood
cellulose. Zhur. prikl. khim. 36 no.8:1816-1821 Ag '63.
(MIRA 16:11)

PETROPAVLOVSKIY, G.A.; KRUNCHAK, M.M.

Methods for obtaining cellulose sulfo ethers. Zhur. prikl.
khim. 36 no.11:2506-2512 N '63. (MIRA 17:1)

KHUNCHAK, T.B.

Diagram plotting method for representing the states of ternary systems. Izv.Sekt.fiz.-khim.anal. 23:34-45 '53. (MLRA 7:1)

1. Leningradskiy elektrotekhnicheskii institut inzhenerov zhelezno-dorozhnogo transporta.
(Systems (Chemistry)) (Chemistry, Physical and theoretical--
Graphic method)

KRUNCHAK, T.B.

Graphic presentation of equilibrium diagrams for quaternary systems.
Izv.Sekt.fiz.-khim.anal. 24:43-50 '54. (MIRA 8:4)

1. Leningradskiy elektrotekhnicheskij institut inzhenerov zhelesno-dorozhnogo transporta.
(Phase rule and equilibrium—Graphic methods) (Alloys)

SAMARIN, D.A.; ARKHANGEL'SKIY, V.V., redaktor; KLYKOV, A.A., redaktor;
KRUNDYSHNEV, B.A., redaktor; SLIMNEV, I.P., redaktor; KHERSONSKIY,
M.M., redaktor; SHMYNIN, L.P., redaktor; PETROVSKAYA, Ye.K.,
redaktor; DOTSENKO, A.A., tekhnicheskij redaktor

[Anglers; an almanac] Rybolov-sportsmen; al'manakh. Moskva, Gos.
izd-vo "Fiskul'tura i sport," Vol.7. 1957. 264 p. (MLBA 10:7)
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KRUNIC, J.

The settlement of Pastrovici on the beach of Prano. p. 395
(GLASNIK. Vol.2/3, 1953/54 (Published 1957)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957
Uncl.

KYURIC, N.

The effect of soil moisture on the growth of the cotton plant; contribution to the study: "Cotton in force ovine."

p. 310 (Koloprivredni list, Vol. 1, no. 6, June 1956. Sarajevo, Yugoslavia)

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1. Zooloski zavod Univerzitetu u Beogradu.

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On a case of "reticulosis cutanea" in the form of exfoliative
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1. Vojnomedicinska akademija u Beogradu, Klinika za kozne i
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S

GILIC, Miladin, sanitetski pukovnik, dr.; KRUNIC, Radovan, sanitetski
potpukovnik, dr.

Cold as a factor responsible for skin lesions in the army.
Vojnosanit. pregl. 19 no.1:42-45 Ja '62.

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Use of the artificial circulation method in traumatology. Vest. khir. 89 no.8:3-8 Ag '62. (MIRA 15:10)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach. - prof. P.A.Kupriyanov) i kliniki travmatologii i ortopedii (nach. - prof. I.L.Krupko) Voenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova. 2. Daystvitel'nyy oshen AMN SSSR (for P.A.Kupriyanov). Adres avtorov: Leningrad, pr. Karla Marksa, d. 5/20, 1-ya khirurgicheskaya klinika usovershenstvovaniya vrachey.
(BLOOD--CIRCULATION ARTIFICIAL)
(TRAUMATISM)

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Institute of Cytology AS USSR Laboratory of Radiation Cytology

II Nauchnaya Konferentsiya Instituta Tsitologii AN SSSR. Tезисы Докладов
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on the physicochemical properties of sheet products. Trudy
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production-line units. Trudy NIIAsbesttsementa no.15:38-56
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(Asbestos cement)

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Intensifying the hardening process of asbestos-cement sheets made
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Bleated perlite in Mongolia. Stroi. mat. 11 no.1:37-38 Ja '65.
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KRUPA, Barbara: TOFARCZYK, Tadeusz

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(UREMIA; complications,
resp. ulcerations (Pol))

(RESPIRATORY TRACT, ulcer,
in uremia (Pol))

KHUPA, Barbara; NEILUBSZYC, Stanislaw; ZELEWSKA-BRODAKIEWICZ, Barbara

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prof. dr. Jakub Pensson.

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HOROSZEK, Stefania; KRUPA, Barbara

A case of acquired hemolytic anemia treated with steroids during the course of 3 years. Polskie arch.med.wewn. 30 no.6:789-791 '60.

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Clinical and morphological aspects of renal amyloidosis and uremia. Polskie arch. med. wewn. 31 no.1:107-118 '61.

1. Z II Kliniki Choroób Wewnętrznych AM w Odansku Kierownik: prof. dr med. J. Pensen i z Zakładu Anatomii Patologicznej Kierownik: prof. dr med. W. Czarnecki.

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Experimental acute unilateral necrosis of the renal medulla
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Zakładu Histologii i Embriologii Akademii Medycznej w
Gdańsku (Kierownik: prof. dr. med. S. Miller).

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Histologic and histochemical changes in the kidney of rabbits
after ligation of the renal vein. Acta med. Pol. 6 no.1:
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Observations on stress incontinence among women treated in
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Pol. tyg. lek. 19 no.2:54-56 Ju '64.

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18 no.2:117-122 15 Ja '65

1. Z I Kliniki Polozn. i Chorob Kobietych Slaskiej Akademii
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LIKHACHEV, I.I., red.; GAYDUKOV, V.M., red.; IVANCHIKHIN,
A.Ya., red.; OVCHAROVA, M.O., red.; NOVOSPASSKIY, K.M.,
red.; AVDYUSHIN, I.D., tekhn.red.

[For the Soviet regime; articles, sketches, and reminiscences
devoted to the 40th anniversary of the Soviet regime in Belgorod
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Belgorod, Kurskoe knizhnoe izd-vo, 1957. 232 p. (MIRA 13:8)
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1. Belgorodskiy Gosudarstvennyy kotlostroitel'nyy zavod.
2. Direktor Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Chefranov).
3. Nachal'nik byuro tekhnicheskoy informatsii i izobretatel'stva Belgorodskogo Gosudarstvennogo kotlostroitel'nogo zavoda (for Gavrilenko).
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Novak. J. K., Vyzk. ust. traum., Brno, Ponavka 6.

(FRACTURES, blood in
proteins (Cz))

(BLOOD PROTEINS, in vnr. dis.
fract. (Cz))